

Planning Statement for VPDES Permit Application Processing DEQ-SCRO

VPDES	OwnerName	Facility	County
VA0026247	Town of Boynton	Municipal STP	Mecklenburg

Outfall #: 001

River Basin: Roanoke River

Receiving Stream: Coleman Creek

Subbasin: Roanoke River

Watershed Code: L78R

River Mile: 3.54

	MGD		MGD
1Q10	0.025	HF 1Q10	0.293
7Q10	0.0276	HF7Q10	0.343
30Q5	0.0761	HF30Q10	0.49
30Q10	0.0485	HM	0

Modeling Notes

Model Completed 1995 - Represent expanded flow limits

WQMP Name 9 VAC 25-720-80

Statement CBOD5, May-Nov 17.7 kg/day TKN, May-Nov 4.1 kg/day

TMDL ID None

Impairment Cause None

TMDL Due Date

Completed TMDL Information

None

TMDL Approval Dates



 Amanda B. Gray, Water Planning Engineer or
 Paula Nash, TMDL Coordinator

2/2/11

 Date

MEMORANDUM
Department of Environmental Quality
Blue Ridge Regional Office

7705 Timberlake Road

Lynchburg, Virginia 24502

Subject: Planning and TMDL Service Requests for VPDES Permits

To: Amanda Gray, Water Planning Engineer to
Paula Nash, TMDL Coordinator

From: Leah Revelle

Date: 1/31/2011

Copies: Planning File

The request for information is to be made at the following times:

Planning: Upon sending the reissuance reminder letter to the facility or, for an issuance or modification, at the time of application/modification request receipt.

TMDL: Same as above. For VPDES general permits, at the time of registration statement receipt.

FACILITY NAME: Town of Boydton STP

VPDES PERMIT NO. VA0026247 EXPIRATION DATE: 3/7/2012

FACILITY PHYSICAL LOCATION: 950 Carter Lane Road, Boydton 23917

INDIVIDUAL PERMIT ACTION: Issuance Reissuance **Modification**

GENERAL PERMIT ACTION: New Coverage Previously Covered – N/A

PERMIT TYPE: Major **Minor** General **Municipal** Industrial Storm Water TMP TRE

If a VPDES General Permit, which type: _____

PERMIT WRITERS: ATTACH THE FOLLOWING

- Topo map with facility location and outfall locations clearly marked (include any proposed outfalls)
- Site diagram for facilities with multiple outfalls
- Description or map showing effluent flow path if not apparent on topo map
- The outfall numbers, latitude, longitude, receiving stream and topo name in the table below (use an additional sheet if there are more outfalls)

Outfall No.	Latitude	Longitude	Receiving Stream	Topo Name
001	36° 40' 9.7"	78° 22' 24.5"	UT, Coleman Creek	Pole Branch, 011A
002	36° 40' 9.6"	78° 22' 27.1"	Coleman Creek	Pole Branch, 011A

DATE INFORMATION NEEDED: 2/7/2011

L76

Class III
Section 1
PWS

MEMORANDUM

DEPARTMENT OF ENVIRONMENTAL QUALITY
South Central Regional Office - Water Planning
7705 Timberlake Road Lynchburg, VA 24502 434/582-5120

SUBJECT: Flow Frequency Determination
Town of Boynton WWTP – VA#0026247

TO: Leah Revelle

FROM: Amanda Gray *abgray*

DATE: February 2, 2011

COPIES: File

This memo supersedes my August 7, 2006 to Kirk Batsel concerning the subject VPDES permit. The flow frequencies for the reference gage on Stony Creek near Dinwiddie, VA (#02046000) have not been recalculated since the last reissuance of the permit. Thus, the flow frequencies calculated for Coleman Creek during the last reissuance will remain current.

Coleman Creek at discharge point:

Drainage Area: 4.66 mi²

1Q10 = 0.0388 cfs (0.025 MGD)	High Flow 1Q10 = 0.454 cfs (0.293 MGD)
7Q10 = 0.0427 cfs (0.0276 MGD)	High Flow 7Q10 = 0.5307 cfs (0.343 MGD)
30Q5 = 0.1178 cfs (0.0761 MGD)	High Flow 30Q10 = 0.7585 cfs (0.49 MGD)
30Q10 = 0.0751 cfs (0.0485 MGD)	Harmonic Mean = 0 cfs (0 MGD)

The high flow months are January through April. The harmonic mean could not be calculated due to the presence of zero flow events in the period of record for the reference gage. This analysis assumes there are no significant discharges, withdrawals or springs influencing the flow in Coleman Creek upstream of the discharge point.

If there are any questions concerning this analysis, please let me know.